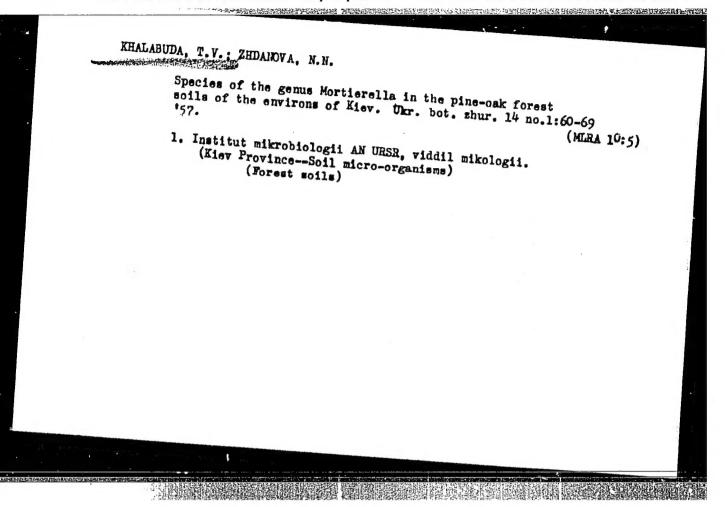
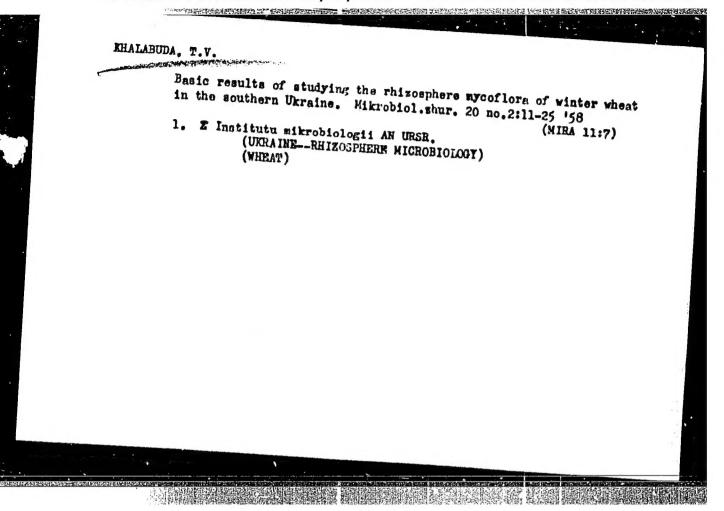
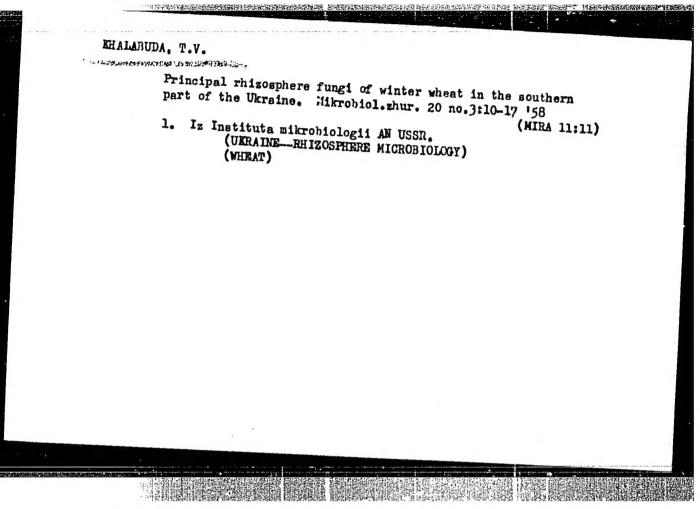


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立于连续中国的。中央中部的中国政治的政治和企业和内部的交易,但由于中国的政治的中部分别的工作。1992年1993年(1992年1993年),1992年1993年(1992年1993年)中国中国的中国中国的国际

30(1) AUTHOR: Khalabuda, T.V. SOV/21-59-2-24/26 TITLE: Mortierella Alpina Peyronel from the Rhizospheres of Winter Wheat (O Mortierella Alpina Payronel iz rizo-PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 2, ABSTRACT: The author announces for the first time the existance of the above named mushroom in the rhizospheres of winter wheat grown in the steppes of the southern Ukraine. Over a period of eight years, he checked a great many similar species, and now gives (on page 210) a consolidated chart on this class of mushrooms. The author offers a general description of the mushroom. He also briefly mentions that the sporulation of this species was for the first time obtained by Sacsena's method Ref 17, which consisted Card 1/2 of transplanting pure agar into sterile distilled

Mortierella Alpina Peyronel from the Rhizospheres of Winter Wheat

water, where after 3 days it showed a thin growth of mushroom spawn. There are 2 diagrams, 1 photograph, 1 table and 18 references, 8 of which are Soviet, 6 German, 2 French and 2 English.

ASSOCIATION: Institut mikrobiologii AN UkrSSR (Institute of Microbiology of the AS Ukrask)

PRESENTED:

By V.G. Drobot'ko', Member of

SUBMITTED:

the AS UkrSSR November 5, 1958

Card 2/2

TO THE REAL THE DESIGNATION OF THE PARTY OF THE

KHAIABHMA, T.V.

Tarindality of Mortierella alpina Peyronel from the rhizosphere of winter wheat. Mikrobiol.minr. 21 no.2:20-34 150.

1. Z Institutu mikrobiologii AN URSR. (MIRA 12:9)

(FUNGI) (RHIZOSPHERE MICROBIOLOGY)

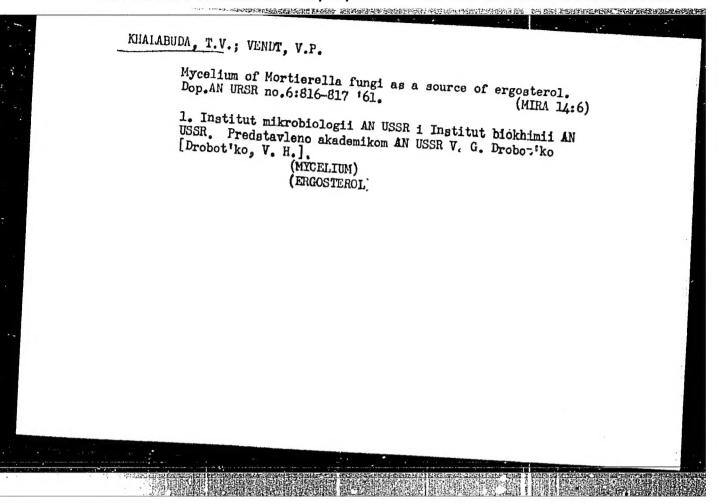
KHALABUDA, T.V.

Martierella marburgensis Linneman from the rhizosphere of winter wheat. Mikrobiol.zhur. 21 no.3:9-12 159. (MIRA 12:10)

1. Z Institutu mikrobiologii AN URSR.
(RHIZOSPHERE MICROBIOLOGY)

KHARBUDA, T.V.

New species of the genus Morriage To Operans. Makrobal. Per. 27 no.2:29-31 165.



KHALABUDA, T.V.

A new species of Mortierella ovalispora and its varieties from the section Elongata. Mikrobiol. zhur. 27 no.4:28-31 165.

1. Institut mikrobiologii i virusologii AN UkrSSR. (ML:A 18:8)

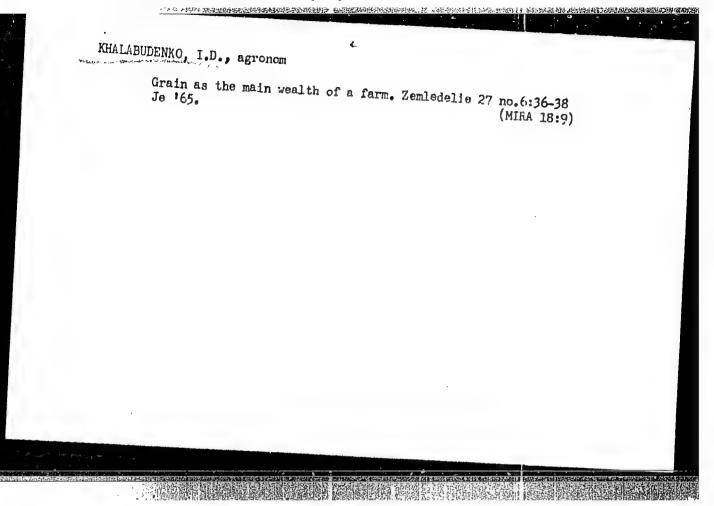
TO THE PROPERTY OF THE PROPERT

KHALABUDENKO, I.

Study of the economic factors. Prof. -tekhn. obr. 13 no.8:4-5 (MLRA 9:10)

1. Prepodavatel Pokrovskogo uchilishcha mekhanisatsii sel skogo khosyaystva No. 5, (Dneprovskaya oblast').

(Farm mechanisation--Study and teaching)



KHALABUZAR*, A.M.; MASLENNIKOVA, V.P.

Clinical aspects and pathogenesis of homorrhagic telangicatesis, Sov. med. 18 no.11:33-34 N *54. (MLRA 7:12)

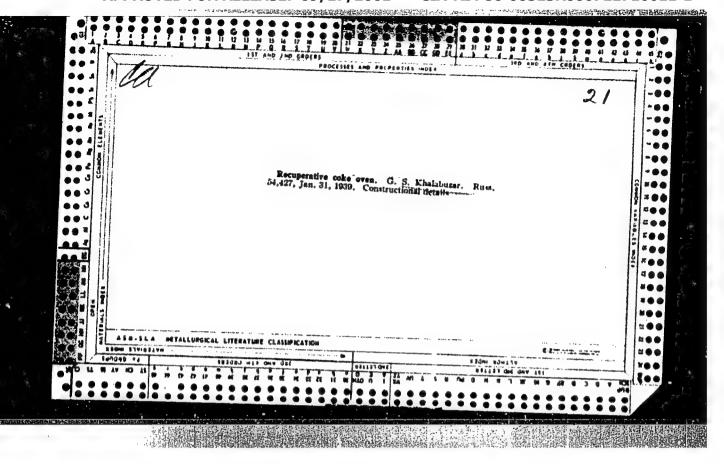
1. Is fakul*tetskoy terapevticheskoy kliniki (dir.-prof. P.H. Lukomskiy) II Moskovskogo med. instituta imeni I.V.Stalina. (TELANCIHOTASIS hemorrhagic, clinic & pathogen.)

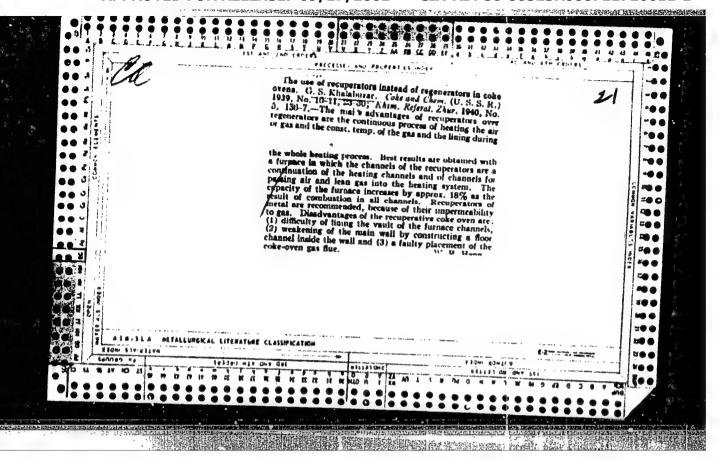
TRUE, I.A.; OVENKO, F.A.; KHALABUZAR¹, A.T.

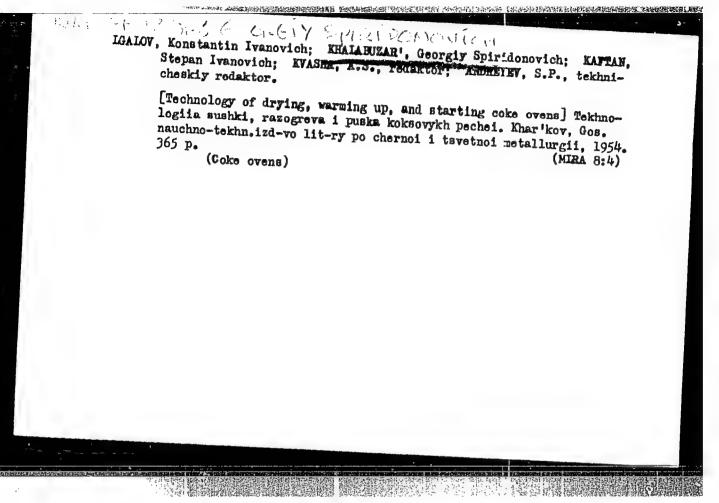
Thermal calculations of coke-oven gas cooling systems. Zbir. prats¹ Inst. (Coke-oven gas—Cooling)

(Coke-oven gas—Cooling)

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中中中中国经济政策的特殊的特别的国际政策的联系的联系的联系的联系的发展的发展的一个大型的企业,不是一个企业的一个企业的一个企业,不是一个企业的一个企业,不是一个企业的一个企业,不是一个企业的一个企业,不是一个企业的企业,

KHALABUZAR, G.S.

VODNEV, G.G.; SHELKOV, A.K.; DIDENKO, V.Ye.; FILIPPOV, B.S.; TSAREV, M.H.;

ZASHVARA, V.G.; LITVINENKO, M.S.; MEDVEDEV, K.P.; MGLODTSOV, I.G.;

LGALOV, K.I.; RUBIN, P.G.; SAPOZHNIKOV, L.M.; TYUTYUNNIKOV, G.N.;

DMITRIYEV, M.H.; LEYTES, V.A.; LERNER, B.Z.; MEDVEDEV, S.M.; REVYAKIN,

A.A.; TAYCHER, M.M.; TSOGLIN, M.E.; DVORIN, S.S.; RAK, A.I.; OBUKHOV...

SKIY, YA.M.; KOTKIN, A.M.; ARONOV, S.G.; VOLOSHIN, A.I.; VIROZUR, Ye.V.;

SHVARTS, S.A.; GINSBURG, Ya.Ye.; KOLYANDR, L.Ya.; BELETSKAYA, A.F.;

KUSHNEREVICH, N.R.; BRODOVICH, A.I.; NOSALEVICH, I.M.; SHTROMBERG, B.I.;

MIROSHNICHENKO, A.M.; KOPELIOVICH, V.M.; TOPORKOV, V.Ya.; AFONIN, K.B.;

GOFTMAN, M.V.; SEMEHENKO, D.P.; IVANOV, Ye.B.; PEYSAKHZON, I.B.;

KULAKOV, N.K.; IZRAELIT, E.M.; KVASHA, A.S.; KAFTAN, S.I.; CHERMNYKH,

M.S.; SHAPIRO, A.I.; KHALABUZAR, C.S.; SEKT, P.Ye.; GABAY, L.I.;

SMUL'SON, A.S.

Boris Iosifovich Kustov; obituary. Koks i khim. no.2:64 \$55.(MLPA 9:3)

(Kustov, Boris Iosifovich, 1910-1955)

KHALABUZAR', G.S., kandidat tekhnicheskikh nauk.

Uniflow coke ovens with recuperators in place of regenerators.

Koks i khim. no.7:20-23 56. (MLRA 9:12)

1. Thar kovskiy inshenerno-ekonomicheskiy institut. (Coke ovens)

S/081/62/000/007/002/033 B156/B101

AUTHORS:

Sus, A. N., Khalahuzari, L. S.

TITLE:

Vibration method of measuring the viscosity of liquids

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 7, 1962, 44, abstract 7B281 (Uch. zap. Saratovsk. un-t, v. 69,

1960, 249-252)

TEXT: It is proposed that a vibration pressure gauge, which employs the relationship between the viscosity of a gas and the pressure (Dushman. Nauchnyye osnovy vakuumnoy tekhniki, IL, 1950; Yakkel'. Polucheniye i izmereniye vakuuma, 1952), should be included in the system developed by the authors for measuring the viscosity of liquids. Viscosities of liquids measured by this method proved to be equal (in cp): benzene, 0.62; toluene, 0.54; ethyl ether, 0.25; carbon tetrachloride, 0.92; hexane, 0.29; heptane, 0.37; octane, 0.5; nonane, 0.66; and cyclohexane, 0.84. The authors conclude that the method proposed is suitable for the measurement of low viscosities. It is not suitable for conductive liquids. The method is particularly well suited to the investigation of Card 1/2

Vibration method of measuring ...

\$/081/62/000/007/002/033 B156/B101

liquids belonging to particular homologous series. The method is relative and requires preliminary calibration. [Abstractor's note: Complete

Card 2/2

S/153/60/003/004/026/040/XX B020/B054

AUTHORS:

Zasorin, A. P., Khalabuzari, V.C., Pizin, Ye. I.

TITLE:

Kinetics of Ammonia Synthesis on an Iron Catalyst With

Addition of Uranium

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Khiniya i khimicheskaya tekhnologiya, 1960, Vol. 3, No. 4,

pp. 695 - 698

TEXT: The authors studied the effect of an addition of a natural radicactive substance, uranium, on the catalytic activity of an industrial catalyst. They compared the catalyst with uranium addition with an industrial catalyst of the type "5" ("B") (2% K20 and 4% Al203) and with the catalyst of the type "GT" ("BT") with increased Al203 content (2% K20 and 11-12% Al203). The catalyst investigated was produced by sintering an industrial catalyst with uranyl nitrate ${\rm UO}_2({\rm NO}_3)_2.6{\rm H}_2{\rm O}$, the finished catalyst containing 5% of UO3. The investigations were Card 1/3

Kinetics of Ammonia Synthesis on an Iron Catalyst With Addition of Uranium

\$/153/60/003/004/026/040/XX B020/B054

conducted in a device schematically shown in Fig.1. Fig.2 shows the ammonia yield as dependent on the volume rate at different contact temperatures on the iron catalyst, while Fig. 3 illustrates the ammonia yield as dependent on temperature at different volume rates on the iron catalyst. At equal conditions, the reaction rate of ammonia synthesis is higher on the iron catalyst with uranium promoter than on an ordinary catalyst; this is confirmed by the rate constants (Table) calculated from the equation by M. I. Temkin and V. M. Pyzhev (Refs. 4-6) $k = P^{0.5} \cdot V_z(1+z) \cdot I_{(z)}$, where z is the molar fraction of ammonia, P the pressure in the system, V_z the volume rate at the outlet, and

 $I(z) = \int_{0}^{z} \left[z(1-z)^{1.5} dz \right] / \left\{ (1+z)^{3} \left[L^{2}(1-z)^{4} z^{2} \right] \right\}; L = z_{eq} / (1-z_{eq})^{2}.$

Fig. 4 shows X-ray pictures of samples of various catalysts. The data given show that a uranium addition to the industrial iron catalyst for ammonia synthesis in relatively small quantity (5% referred to UO3) effects a completer reduction of iron oxides to the satalytically most

Card 2/3

KHALABUZAR', V.I., inzh.

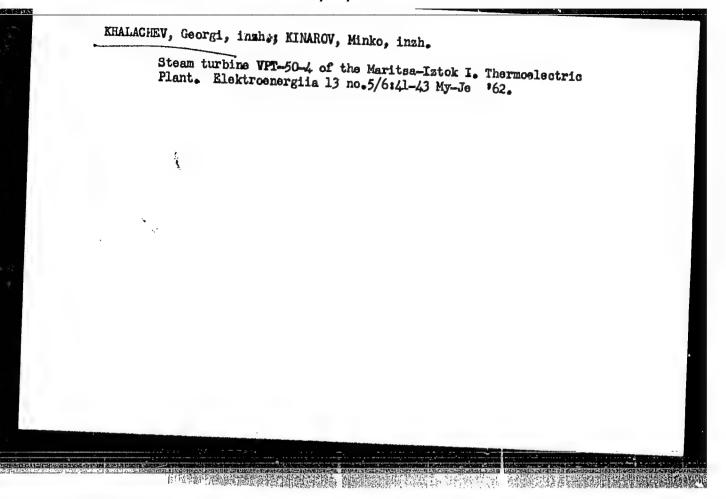
Elements of the theory and design of drum-screw sepmrators for harvesting potatoes. Trakt. i sel'khozmash. 32 no.1:26-28 Ja '62.

(MIRA 15:2)

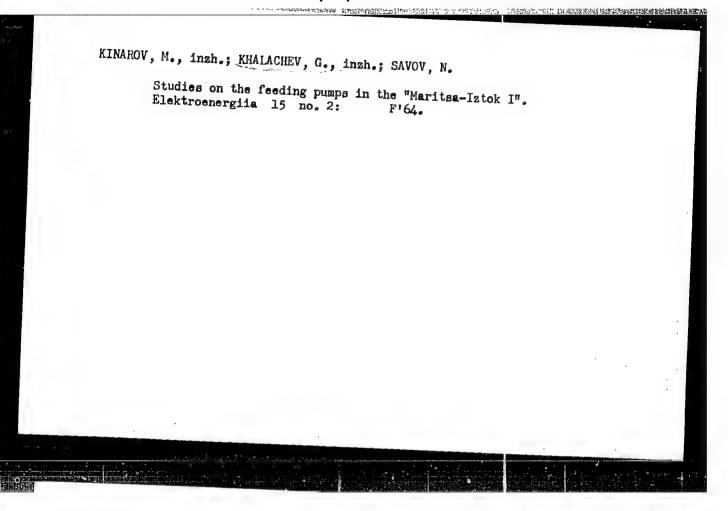
(Potato digger (Machine))

PETROW: 1.D., kand. tekhn. nauk; KHALABUZAR!, V.I., kand. tekhn. nauk

Studying a centrifugal drum-screw separator for a potato harvesting machine. Trudy VISKHOMa no.40:3-41 '63. (MIRA 17:9)



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KHALACHEV, V1., vrem. prepodavatel na ochni bolesti i st. asistent

Ocular manifestations of sulfonamide intoxication. Chirurgiia

7 no.2:114-118 1954.

1. Meditsinska akademiia I.P.Pavlov, Plavdiv. Klinika po ochni
bolesti. Vr. direktor: dots. M.Botusharov.

(EYE, in various diseases,
*sulfonamide pois.)

(SULFONAMIDES, injurious effects,
*manifest., eyes)

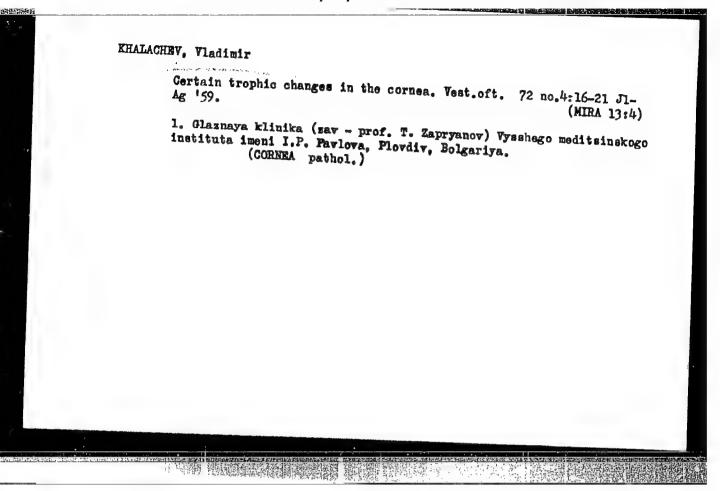
KHAIACHEV, V. D-r.; VASILEV, V. D-r.; MATEV, S. D-r.; KOEN, E. D-r.

Trachoma in the Plovdiv region according to data from ophthalmological clinics observed from 1949-1952. Izv. Hikrob. inst., Sofia no.8:569-

1. Ochna klinika (vr. zav.: prof. T. Zaprianov) pri visshiia meditsinski institut I. P. Pavlov v Plovdiv.

(TRACHOMA, epidemiol.

in Bulgaria (Bul))



EHALACHEV, V.1.

A simplified method of determining the best variants of a multiple field with odd number of groups. Gosishnik mash elekt 13 no.2/119-130 '63[publ. 164].

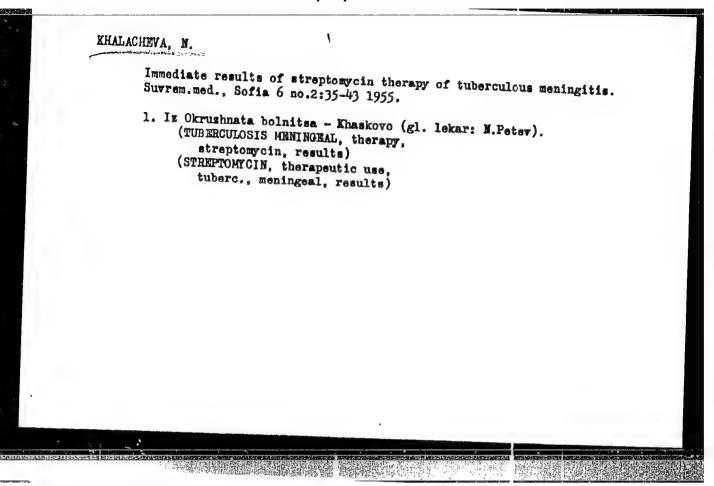
KHALACHEV, V.1.; IVANOV, V.P.; EMANUILOV, E.G.

Experimental determination of optimum values in the resistances of electroacoustic transformers of the MB-type telephone apparatus. Godishnik much elekt 13 no.2:131-140 '63 [publ. '64]

MAKAHSKI, V.1.; TOEOROV, P.M.; KHALACHEV, V.I.

Another method of computing the impedance-conforming L-networks.

Godishnik mash elokt 13 no.2:149-160 '63 [publ. '64]



Clinical results of the treatment of pulmonary man' festations of tuberculosis with streptomycin. Suvrem. med., Sofia 6 no.12:42-54 1955. 1. Is grudnoto otdelenie pri Okrushnata bolnitsa-gr. Khaskovo (gl. lekar: M. Peter). (STREPTOMYCIN, therapeutic use, tuberc., pulm. (Bul)) (TUBERCULOSIS, PULMONARY, therapy, streptomycin. (Bul))

06464

Khaldre, Kh.Yu. and Khokhlov, R.V. **AUTHORS:**

TITLE: The Stability of Oscillation in a Molecular Oscillator

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1958, Vol 1, Nr 5-6, pp 60 - 65 (USSR)

ABSTRACT: Any investigation of the stability of molecular

oscillations must be based on how the polarisation of a molecular beam varies in an alternating electric field of varying amplitude and phase. Suitable equations have been derived both in the work of A.V. Orayevskiy (Ref 5), V.S. Troitskiy (Ref 6) and G.N. Lyubimov and R.V. Khokhlov (Ref 4); the latter set is more complicated and will be the subject of another article; the former set is used here (1.1); they can be interpreted as representing two weakly damped oscillators with frequency of the resonator and of the molecular transition, respectively, which interact through a non-linear coupling of time constant t. The method of Van der Pol is appropriate here, the field

strength and the polarisation being represented as oscillations with slowly changing amplitude and phase,

Card1/3

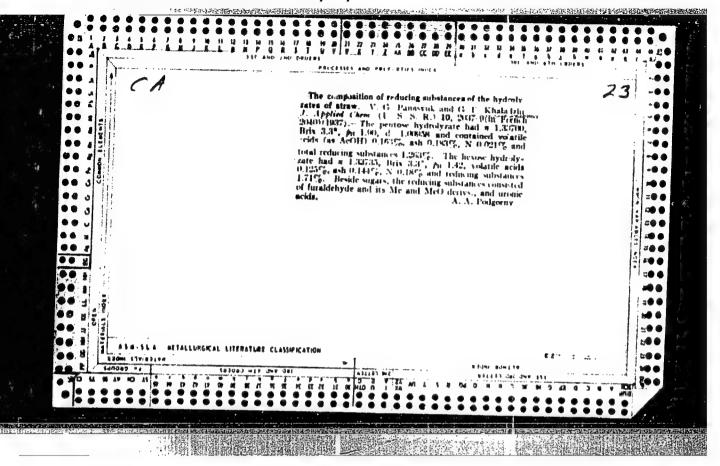
as in Eq (1.4). The stationary values of field amplitude

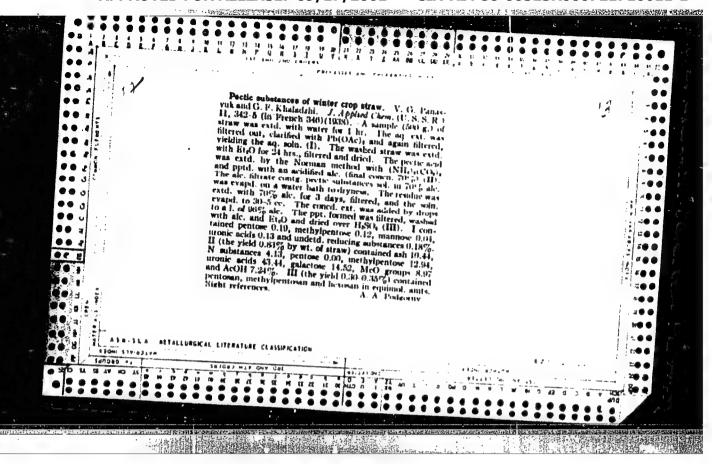
APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721710011-1" 06464

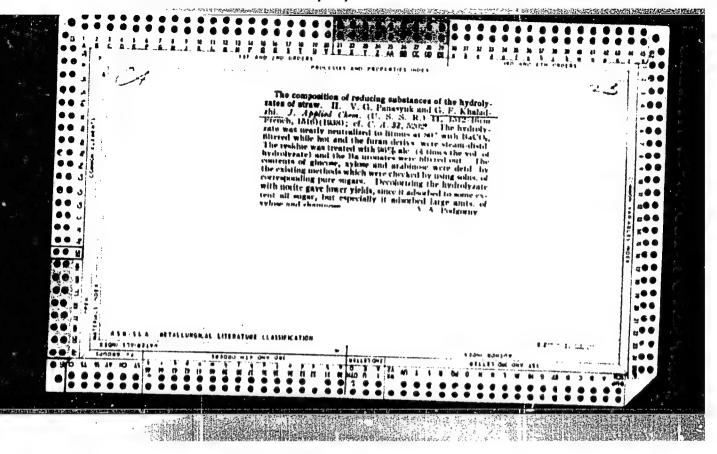
The Stability of Oscillation in a Molecular Oscillator SOV/141-1-5-6-8/28

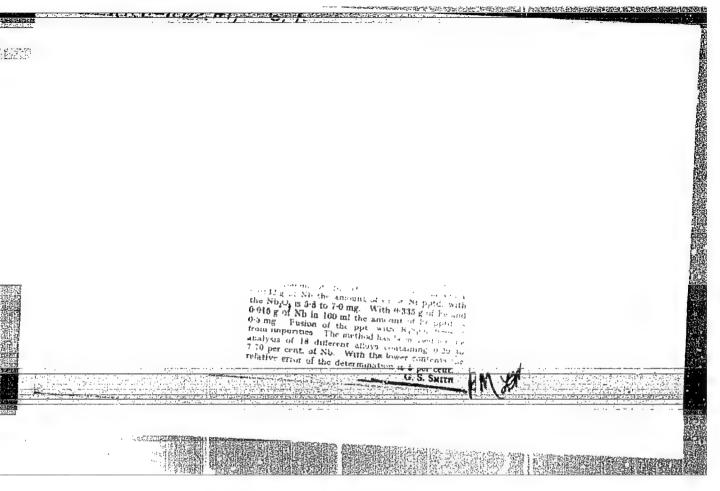
and oscillation frequency ω are given by Eq (1.8), corresponding values for the number of molecules leaving and entering the resonator are Eqs (1.9 and (1.10). The results of this simple derivation agree well with those derived in Ref 1 (N.G. Basov and A.M. Prckhorov) by more exact methods. The system equation is written most succinctly in (2.2). The conditions for stability of oscillations are Eq (2.3); these make no appeal to a physical understanding of the problem and an alternative method is proposed. The abbreviated equations describing the transient process are not homogeneous in the sense that the right-hand sides of the equation E and Ø are in absolute magnitude significantly greater than the righthand sides of those for P and N. The physical meaning is that the steady state is reached rapidly in the E, \$\delta\$ co-ordinates and slowly in the P, N co-ordinates. The stability of each of the subordinate processes may now be confirmed separately from the respective conditions (2.8) and (2.9). In the work of Troitskiy (Ref 6), evidence

Card2/3









KARAPETOV, K.A., nauchnyy sotr.; MELIKBEKOV, A.S., nauchnyy sotr.; CHERFAS, A.A.; Prinimali uchastiye: AMIKOV, A.D.; BILANDARLY, A.A.; DURMISHYAN, A.G.; LAYTSEV, Yu.V.; KOCHARYANTS, Sh.M.; IERAGIMOV, E.S.; MASUMYAN, V.Ya.; TAGIYEV, Z.B.; CHERNOMORBIKOV, M.Z.; KHALAFBEKOV, N.Kh.

[Instructions on the hydraulic fracturing of producing and injection wells] Instruktsiia po primeneniiu gidravlicheskogo razryva plasta v neftianykh i nagnetatel nykh skvazhinakh.

[MIRA 15:4]

l. Azerbaidzhanskoye nauchno-tekhnicheskoye obshchestvo neftegazovoy promyshlennosti. 2. Chleny Azerbaydzhanskogo nauchnotekhnicheskogo obshchestva neftyanoy promyshlennosti, Azerbaidzhanskiy nauchno-issledovatel skiy institut po dobyche nefti (for Karapetov, Melikhekov).

(Oil wells-Hydraulic fracturing)

SHUKYUROV, Sh.Z.; AKHUNDZADE, I.R.; ISMAYLOVA, D.B.; SEIDOVA, P.Sh.; ISMAYLOVA, T.A.; PAHSADANOVA, N.S.; STARIKOVSKAYA, L.M.; AKHUNDOV, T.A.; KHALAFLI, E.M.; KARLENKO, S.N.

Results of treating newly detected cases during 1960-61 in the Municipal Antituberculosis Dispensary and methods of controlling the use of antibacterial preparations by patients. Azerb. med. zhur. no.7:59-65 J1 '63.

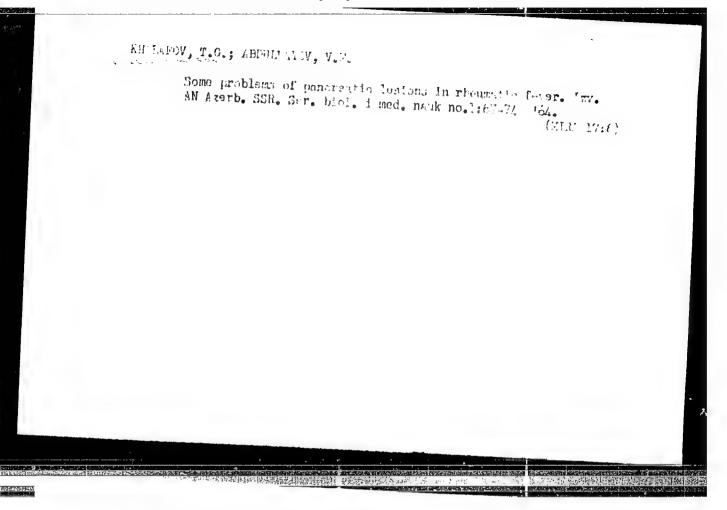
(MIRA 1.7:1)

Anesthesia of hard dental tigsues. Stomatologiia 40 no.3:21-24 My-Je '61. 1. Iz kafedry terapevticheskoy stomatologii (zav. - prof. Ye. Ye. Platonov) i kafedry farmakologii (zav. - prof. G.A.Ponomarev) Moskovskogo meditsinskogo stomatologicheskogo instituta.(dir. (ANESTHESIA IN DENTISTRY) (ANESTHESIA IN DENTISTRY)

SARKISOV, A.I.; KHALAFOV, M.S.

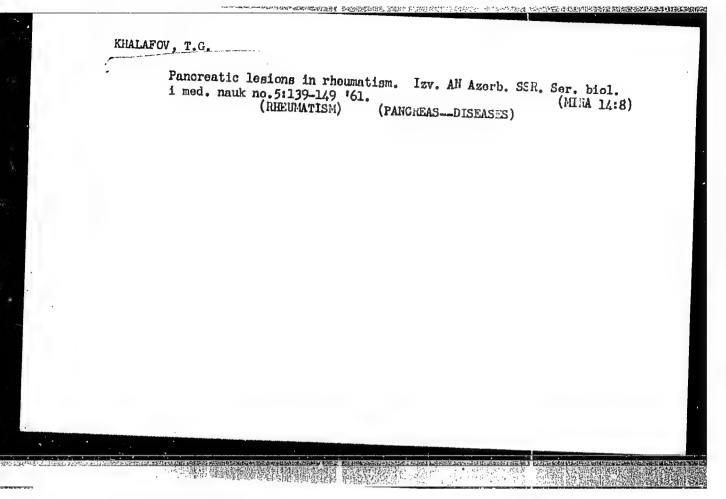
Struggle of the workers of Baku for their rights on the eve of the Bevolution of 1905, Uch. zap. ABU no.2:141-152 '57. (MIRA 11:1) (Baku-Strikes and lockouts--Petroleum industry) (Collective labor agreements--Petroleum industry)

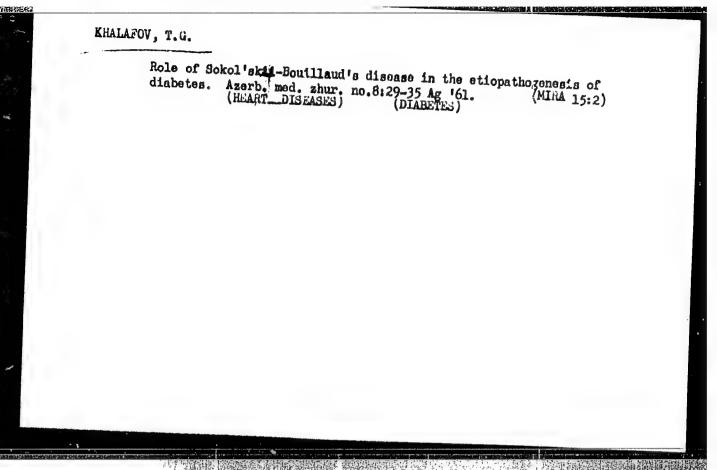
Scientific and Practical out-of-town Conference of the Azerbaijan Scientific Pharmaceutical Society in Kirovabad. Apt.delo 4 no.1: (MIRA 8:4) 1. Upravlyayushchiy Kirovabadskim mezhrayonnym otdeleniyem GAPU Ministerstva zdravookhraneniya Azerbaydshanskoy SSR. (AZERVAIJAN-PHARAMOCOLOGY-SOCIETIES)



KHALAFOV, T.G.

Glycemic reaction and pancreatic function in rheumatic fever. Azerb.
med. zhur. no. 3:51-56 Mr !61. (MIRA 14:4)
(SUGAR IN THE BODY) (PANCREAS) (RIEUMATIC FE/ER)





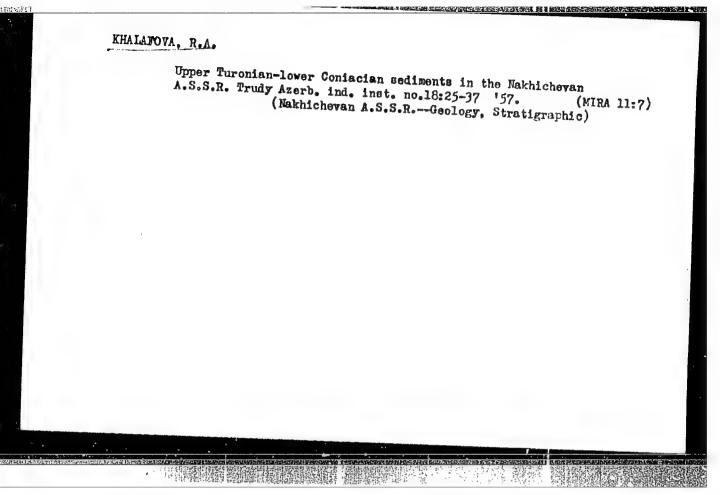
Signal Park

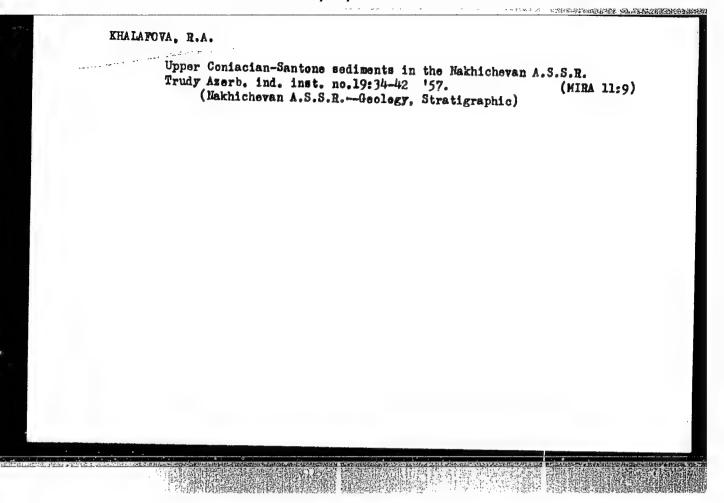
KHALAFOVA, R. A.

Khalafova, R. A. "On the problem of developing the Senoman deposits (in the region between the Khachinchay and Gandzhachay rivers of the Central Kavkhaz)," Trudy P. 161-66 - Resume in Azerbaydzhian language - Bibliog: 6 items

so: U-3264, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, no. 3, 1949)

WHALAFOVA. R.A. dotsent. Upper Cretaceous deposits in the Mardakertsk district of Azerbaijan. Trudy Azerb.ind.inst. no.7:23-31 154. (MIRA 9:9) (Azerbaijan-Geolegy, Stratigraphic)





KHALAFOVA, R.A.

Upper Senonian sediments of the northwestern Nakhichevan A.S.S.R. Izv. vys. ucheb. zav.; neft' i gaz 3 no.1:13-18 (MIRA 14:10).

TO THE PROPERTY OF THE PROPERT

 Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova. (Nakhichevan A.S.S.R.—Petroleum geology)

KHALAFOVA, R.A.

Materials on the study of upper Cretaceous sediments in the Nakhichevan A.S.S.R. Izv. vys. ucheb. zav.; neft' 1 gaz 3 no.12: 21-26 '60. (MIR4 14:10)

1. Azerbaydzhanskiy institut nefti i khimii imeni M. Azizbekova. (Nakhichevan A.S.S.R.--Petroleum geology)

KHALAFOVA, R.A.; TAIROV, Ch.A. Gretaceous stratigraphy of the Sovetabad area in the Caspian Sea region. Aserb.neft.khoz. 39 no.8:8-9 Ag '60. (MRA 13:11) (Caspian Sea region--Geolody, Stratigraphic)

Conditions of contact of the Upper Cretaceous with underlying sediments in the northwestern Nakhichevan A.S.S.R. Izv. vys. ucheb. zav.; neft' i gaz 4 no.12:27-31 '61. (MIRA 16:12)

1. Azerbaydzhanskiy institut nefti i khimii imeni M.Azizbekova.

Some new species of Inoceramus from Conta Lan sestments in the Nakhichevan A.S.S.R. Dokl.AN AzertsSR 20 no.10:33-38 vg.,
CHRA 18:00

1. Institut nefti i khimil AN AzertsSR.

New species of the Upper Cretaceous Plicatula in the Nakhichevan A.S.S.R. and adjacent areas of the Lesser Caucasus. Izv. AN Amerb. SSR. Ser.geol.-geog.nauk no.1:46-56 '65. (MIRA 18:8)

Making full use of production resources. Spirt, prom. 25 no.5:36-37

'59. (Distilling industries)

WHALAIM, A.F.

Use all slops for cattle feeding. Spirt.prom.20 no.1:18 '5h.
(MERA 7:5)

(Peeding and feeding stuffs) (Distilling industries--By-products)

Physics, t.R., meaning G.P.: Analysis of all denoise decided by the dynomesterium globiforme 193 culture with the help of mydrocontice of priki. bloking, i mikrobiol. i no.3:322-326 % (a 1.5. MRA 18:7)

1. Institut mikrobiologic An SCA.

 KHALAIMOVA, Walz, ekonomist-planovik kolkhoza; LIPIN, A.D. Taking quantity and quality into account, Nauka i pered. op. v sel'khoz. 7 no.5:11-14 My '57. (MIRA I

> 1. Starshiy nauchnyy sotrudnik khlopkovoy zonalinoy cpytnoy stantsii (TANIIZ).

> > (Wages)

(Collective farms)

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(MIRA 10:6).

MAKSUTOV, R.A.; DOBROSKOK, B.Ye.; ZHDANOV, M.M.; KHALAMAN, B.S.; PUSTOVOYT, S.P.

Field testing of equipment designed for separate injection of water into two layers. Nefteprom.delo no.10:10-13 165.

(MIRA 19:1)

1. Tatarskiy neftyanoy nauchno-issledovatel skiy institut 1 Ob"yedineniye neftyanoy promyshlennosti Tatarskoy ASSR Ministerstva neftyanoy promyshlennosti SSSR.

MAI TIMAZEE ". "	·(Elia)
Electric voto	מים .
Automotic cut of the chases	ting-off of roters from the network during the short-circusting of one to the housing. Prom. energ. 2, No. 8, 1952.
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KHALAMEYZER, M. B.

AID P - 3345

Subject : USSR/Electricity

Card 1/2

Pub. 29 - 3/27

Author

: Khalameyzer, M. B., Eng.

Title

: Automatic reclosure of magnetic starters of low-

voltage electric motors

Periodical: Energetik, 9, 7-10, S 1955

Abstract

: The author describes a basic connection diagram of an installation for automatic reclosure of magnetic starters of low-voltage electric motors. The mechanical time-relays used are produced at the Central Studio of Documentary Films. The editors in a note consider the arrangement described as workable and efficient except for the much too complicated structure of the mechanical time-relay. They suggest a simplified relay of the RE type. They also quote extracts from the Accident Prevention Circular No. E-8/54 of the Ministry of Electric Power Stations

concerning the problem under discussion. Three

photographs, 1 connection diagram.

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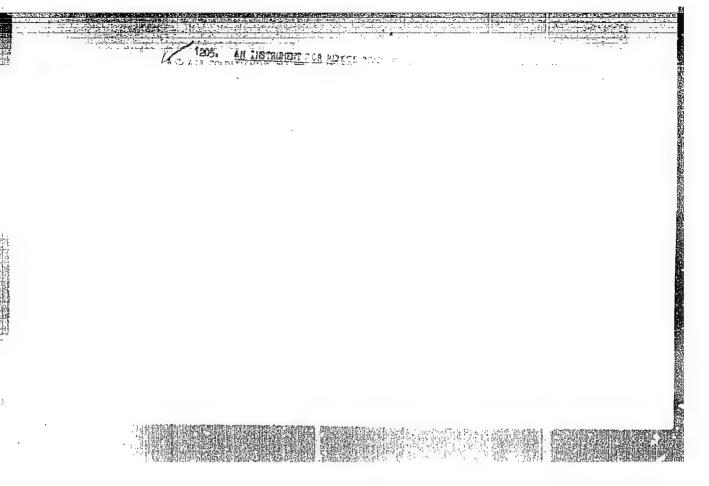
Energetik, 9, 7-10, S 1955

Pub. 29 - 3/27

Card 2/2

Institution : None

Submitted : No date

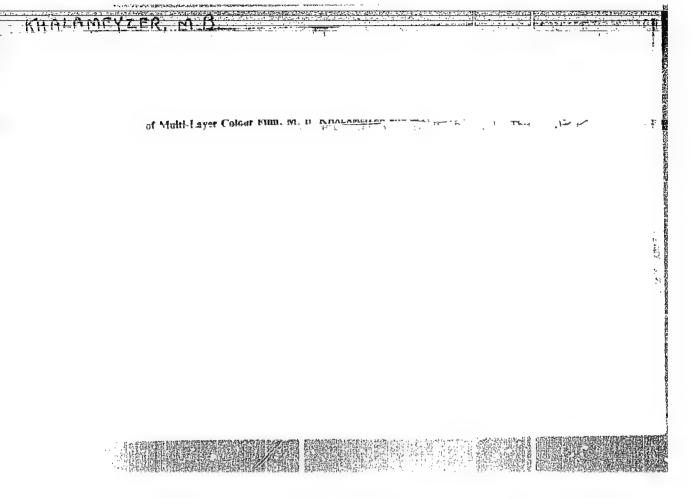


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KHALAMEYZER, M. B.

KHALAMEYZER, M. B.: "Some problems of the stabilization of the technological systems of processing color film." Min culture USSR. All-Union Sci Res Cinema Inst (NIKFI). Moscow, 1956. (Dissertation for the Degree of Technical Science.)

So: Knizhnaya letopis', No. 37, 1956. Moscow.



LEVITAN, S.A., kand.tekhn.nauk; KHALAMEYZER, M.B., inzh.

Regulating the temperature in the processing of color film.

Trudy MEI no.27:330-339 58. (MIRA 13:4)

 TSentral'naya kinostudiya dokumental'nykh fil'mov. (Color photography)

Automatic temperature mgulation in the processing of motion-picture films. Tekh.kino i telev. 4 no.10;20-29 0'60. (MIRA 13:10)
(Temperature regulators)
(Motion-picture photography--Equipment and supplies)

KHALAMEYZER, Mikhail Borisovich; SABASHNIKOVA, Ye.S., red.; MALEK, Z.N., tekhn. red.

[Automatic control in the processing of motion-picture films]
Elementy avtomatiki v protsessakh obrabotki kinoplenki. Moskva, Gos. izd-vo "Iskusstvo," 1961. 183 p. (MIRA 15:2)

(Motion-picture photography-Films)

(Automatic control)

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1,1782 S/194/62/000/008/053/100 D413/D308

5,5300

AUTHOR:

Khalameyzer, M.B.

TITLE:

An automatic recording and integrating densitometer

for paper chromatography

PERIODICAL:

Referativnyy zhurnal. Avtonatika i radioelektronika, no. 8, 1962, abstract 8-5-34 y (Fiziol. rasteniy. v. 9, no. 1, 1962, 120 - 126 (Summary in Engl.))

TEXT: This densitometer is designed for the quantitative determination of various substances that have been separated by the technique of chromatography or electrophoresis on paper. The quantitative determination of the separated substances is made by photometric measurement in transmitted light of the color intensity of chromatogram spots. The results are obtained in the form of a curve representation the chromatic the color intensity of chromatogram spots. senting the absorption of light by each spot. Then one determines the area enclosed by the curve and the density line for clean paper. For calculation, known fixed amounts of substance are applied to chromatographic paper and the developed chromatogram is recorded on the densitometer. By integrating the curves obtained for various Card 1/3

s/194/62/000/008/053/100 D413/D308

An automatic recording and ...

quantities of substance, one can construct calibration curves relating the concentration of substance in mg to the area of the absorption curve in mm2. The densitometer consists of a photoelectric indicator (the densitometer proper); an automatic recording electronic potentiometer; an integrator built into the potentiometer; and an impulse counter. Two plug-in photocells are used, of types CUB-3 (STaV-3) and UB-3 (TaV-3), which in conjunction with light filters give the necessary sensitivity over the whole visible spectrum. The photocell output is amplified in a balanced circuit. The start of the scale, corresponding to 100 % transmission of the light by the chromatographic paper, is determined by a neutral grey optical wedge; while the end of the scale, for the photocell com-pletely in the dark, is set by a variable resistor. Two versions of integrator have been developed for automatically finding the areas under the curves. The first uses a DC electric motor whose speed of rotation depends linearly on the voltage applied to it. Hence the angle through which the motor armature turns is proportional to the integral of the applied voltage over the time from the start of the rotation. The second version uses a device for integrating the function given by the displacement of an instrument Card 2/3

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R00072171001

KHALAMEYZER, M.B.; DAVYDOV, Yu.S., kand. tekhn. nauk, retsenzent; KURATTSEV, L.Ye., inzh., red.izd-va; EL'KIND, V.D., tekhn. red.

[Fundamentals of the automatic control of airconditioning systems] Osnovy avtomaticheskogo regulirovaniia ustanovok iskusstvennogo klimata. Moskva, Mashgiz, 1963. 215 p.
(MIRA 16:10)

(Air conditioning--Equipment and supplies)
(Automatic control)

S/187/63/000/002/002/004 A004/A126

AUTHORS:

Khalameyzer, M. B., Murey, I. A.

TITLE:

Using control systems of discrete action for automating the condi-

tions of cinematic technological processes

PERIODICAL: Tekhnika kino i televideniya, no. 2, 1963, 27 - 36

TEXT: The authors present the necessary theoretical prerequisites and concrete solutions for the design of relay-pulse controllers. As an example, they present the automation diagram for a development machine using a system of multichannel relay-pulse controllers, and analyze problems of dependability of multichannel installations. As a result of the investigations carried out it was found that relay-pulse controllers of automatic control can be used in most cinematic technological processes. Based on the unit system of three-position control with relay elements, an electronic relay controller for the centralized control of heat conditions has been developed. The use of this type of control apparatus permits considerable cuts in capital expenditure and operating costs for automatic systems and ensures a high control quality. A combination of multichannel electronic relay control systems with identical systems operating on the "limiting" controller Card 1/2

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ACCESSION	NR:	AP 300	4309

3/0030/63/000/007/0080/0083

AUTHOR: Khalameyzer, M. B.

TITLE: Densitometer with contactless integrator

SOURCE: AN SSSR. Vestnik, no. 7, 1963, 80-83

TOPIC TAGS: concentration, absorption, densitometer, integrator, photographic plate

ABSTRACT: A densitometer was constructed to determine quantitatively the concentration of each substance in a solution from a color-sensitive photographic plate. A contactless integrator was used to plot concentration (in micrograms) against the area under the luminous absorption curve (in mm²). The major components of the instrument are: 1) a photoelectric indicator (the densitometer proper) which operates with a set of color filters to produce a monochromatic measurement, 2) an automatic potentiometer, 3) an integrator, and 4) a pulse counter. The novel feature in the instrument is the integrator which automatically determines the area under the absorption curve and transfers this information to the recording rotentimeter. It is found that the densitometer-integrator can be useful in determining a wide range of concentration measurements with good accuracy (within 0.3%). Orig. art. has: 2 photographs and 1 diagram.

Card 1/2

KHALAMEYZER, M.B., kand. tekhn. nauk

Automation of industrial air conditioning systems. Prom. energ.
18 no.5:10-16 My '63. (MIRA 16:6)

(Air conditioning)

KHALAMEYZER, E.B.; AVEN O.I., kand. tekhn. nauk, retsenzent

[Integrating devices of automatic compensators] Integriruishchie ustroistva automaticheskikh kompensatorov.

Moskva, Mashinestroenie, 1964. 104, p. (MIRA 17:9)

USSR

ACCESSION NR: AP4002997

\$/0286/63/000/018/0106/0106

AUTHOR: Khalameyzer, M. B.

TITLE: Photoelectric device for function integration. Class 42. No. 144037

SOURCE: Byul. izobret. i tovarn. znakov, no. 18, 1963, 106

TOPIC TAGS: 'function integration, photoelectric device, function integration device, pulse counter, photoelectric integrator, function integrator

ABSTRACT: A photoelectric device for function integration, containing an integrating element made in the form of a drum with a black-white surface, a counting photohead, a pulse counter connected in series to a photoresistive circuit, and a light source. The distinguishing feature is acceleration of the process of function integration, of the given shift register, and of the recording device. In it the photohead is rigidly connected to the register and the white surface of the integrating element (drum) is prepared in relation to the scale of the device,

Card 1/2

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ACCESSION NR: AP4002997

so that each position of the register corresponds to a pre-determined photological path above the white surface, and consequently, a predetermined number of pulses.

SUBMITTED: 08May61

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SUB CODE: SD. MM

NO REF SOV: 000

OTHER: 000

ASSOCIATION: none

Card '2/2

AUTHOR:

Khalamez, A. ..

-107-58-7-19/43

TITLE:

The "Kazan'-57" Portable Radio-phonograph (Perenosnay.

radiola "Kazan!-57")

PERIODICAL:

Radio, 1958, Nr 7, pp 25-26 (USSR)

ABSTRACT:

This radio-phonograph is designed for the reception of long and medium waves, gramophone reproduction and for use with the tape-recorder attachments "MP-1" and "MP-2". Using trimmer condensers and push-button selection the set has a choice of 7 stations. The nominal output is not less than 1 w and sensitivity with an output power of 50 mw is around 500 microvolts. Sensitivity of the pick up assembly is 250 microvolts. The set works off the 127v or 220v ac grid. The "Kazan'-57" constitutes a 4-tube superheterodyne. Details of the construction, lay-out and coil assembly of the receiver, record player and switching unit are given.

There are 2 drawings, 1 circuit diagram and 1 table.

1. Radio-phonographs--Equipment

Card 1/1

KHALAMEZ, A., inzh.

"Kazan-2" radio-phonograph and magnetic tape recorder combination. Radio no.4:22-25 Ap '61. (MIRA 14:7)

(Magnetic recorders and recording) (Phonograph) (Radio--Receivers and reception)

KHALANAY, A. (Bukharest)

Apymptotic stability and small perturbations of periodic systems of differential equations with delayed argument. Usp.mat.nau% 17 no.1:231-233 Ja-F '62. (MIRA 15:3)

(Differential equations)

S/044/62/000/011/019/064 A060/A000

Khalanay, A.

Periodic solutions of systems with delay, with a small parameter in AUTHOR:

TITLE:

Referativnyy zhurnal, Matematika, no. 11, 1962, 44 - 45, abstract

11B187 (Rev. math. pures et appl., (RPR), 1961, v. 6, no. 3, 487 -PERIODICAL:

The author considers a system of integro-differential equations

 $\dot{x}(t) = \int x(t+s) d_s \eta(t,s) + f(t) + \epsilon F[t, x(t+s), \epsilon],$ TEXT:

where x, f, and F are n-dimensional column-vectors, $\eta(t, s) \equiv \{\eta_{ij}(t, s)\}$ is a square n x n matrix (i, $j=1,\ldots,n$) with elements $\eta_{ij}(t,s) \equiv (0)$ for a square n x n matrix (i, $j=1,\ldots,n$) and $-\infty < s < +\infty$; $\eta(t,s) \equiv (0)$ for tions of t and s, defined for t > 0 and $V_{ij}(t)$ bounded for t > 0 such that t > 0; there are functions t > 0; there are functions t > 0

Card 1/4

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Periodic solutions of systems with delay,

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 $\eta_{ij}(t, s) = \eta_{ij}(t, -\tau_{ij}(t)) = 0$ for $s \leftarrow -\tau_{ij}(t)$; the total variation with respect to s of the function $\eta_{ij}(t, s)$ on the interval $-\tau_{ij}(t) \leq s \leq 0$ is gqual to

 $\bigvee_{s=-\tau_{i,j}(t)}^{s=0} \eta_{i,j}(t, s) \leq v_{i,j}(t);$

the functions $\eta_{ij}(t, s)$ are continuous in t, uniformly relative to s; all the functions η (t, s), f (t), ∇_{ij} (t), V_{ij} (t), and F (t, φ , §) are periodic in t with period $\omega > \tau = \sup_{i,j} \tau_{ij}$ (t). It is also assumed that with

fixed t and & the components F are functionals defined in the space of continuous n-dimensional column-vector functions specified in the interval [- T, 0] and, moreover, that F satisfies the Lipshitz condition with respect to \partial, i.e., |F(t, ϕ_1 , ϵ) - F(t, ϕ_2 , ϵ)| \leq L $\|\phi_1$ - $\phi_2\|$, where L is a constant independent of ϕ , and $\parallel\phi_1$ - $\phi_2\parallel$ is the Euclidean norm. The author has previously proven that, if a homogeneous system (1) (with e = 0 and f(t) = 0) has periodic solutions with period &, then there exists only a finite number k of such linearly independent solutions p_j (t), j = 1, ..., k. Then also the conjugate

8/044/62/000/011/019/064 A060/A000

Periodic solutions of systems with delay,

system has the same number k of linearly independent solutions $p_j(t)$, j=1, ..., k. If then $\int_0^x f(t) q_j(t) dt = 0$ for all j=1, ..., k, then there exists one unique periodic solution p(t) of the system (1) for 6=0. This definition

ists one unique periodic solution p(t) of the system (1) for $\varepsilon = 0$. It is demonstrated that, if the Jacobian

 $\frac{\partial (p_1, \ldots, p_k)}{\partial (\alpha_1, \ldots, \alpha_k)} \neq 0$ for $\alpha_j = \alpha_j^0$ and $\epsilon = 0$, where α_j^0 are constants, and

$$p_{j}(\alpha_{1}, ..., \alpha_{k}, \epsilon) = \int_{0}^{\omega} F[t, p(t+s) + \sum_{i=1}^{k} \alpha_{i} p_{i}(t+s), \epsilon] q_{j}(t) dt$$

and, moreover, P_j (α_k^0 , ..., α_k^0 , 0) = 0, then for a sufficiently small $|\epsilon| < \epsilon_0$ there exists a periodic solution x (t, ϵ) with period ω of the system (1) such, that

$$\lim_{\varepsilon \to 0} x (t, \varepsilon) = p (t) = \sum_{j=1}^{k} \alpha_{j}^{0} p_{j} (t) .$$

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Periodic solutions of systems with delay, ...

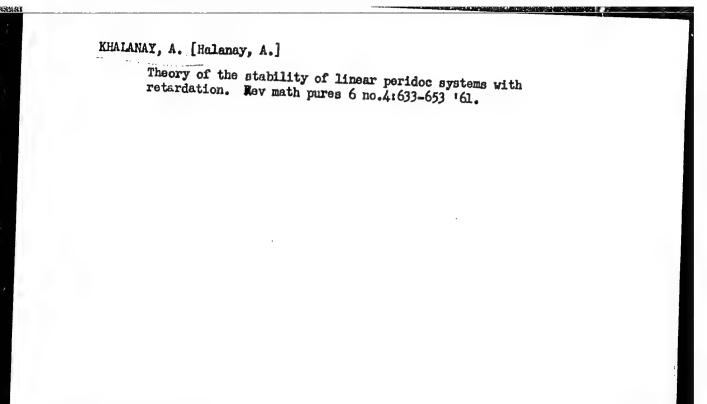
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The proof of this proposition is simple (by the method of successive approximations). A proof is also given of two more comparison theorems for a system of

where x and f are n-dimensional column-vectors, and f is a periodic function of t with period $\omega > \tau$; the first theorem refers to the nonautonomic and the second numerous important applications.

B.V. Shirokorad

[Abstracter's note: Complete translation]



35837 \$/044/62/000/002/025/092 C111/C333

AUTHOR:

Khalenay, A.

TITLE:

16.3400

The condition of Perron in the theory of general systems

with aftereffect

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 2, 1962, 51, abstract 2B231. ("Mathematica (RPR)", 1960, 2, no. 2,

257-267)

TEXT:

The author considers the system of equations

$$\dot{x}(t) = \int_{-\infty}^{0} x(t+s)d_{s} \gamma(t,s) + f(t)$$
 (1)

where x(t) and f(t) -- vectors and y(t,s) is a matrix satisfying certain conditions. System

$$\dot{x}(t) = \int_{-\infty}^{0} x(t+s)d_{g} \eta(t,s)$$
 (2)

is said to satisfy the Perron condition, if the solution of (1) Card 1/2

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8/044/63/009/002/018/050 A060/A126

AUTHOR:

Khalanay, A.

TITLE:

Autonomic systems with lagging argument with a small parameter

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 43 - 44, abstract

28194 (Rev. math. pures et apll., (RPR), 1962, v. 7, no. 1, 81 - 89)

TEXT:

The author considers an autonomic system with constant lag $\tau > 0$:

 $\dot{x}(t) = f[x(t), x(t-\tau), 0],$

where x (t) is an n-vector. It is assumed that the generating system $\dot{x}(t) = f[x(t), x(t-v), \Delta]$ has a family of periodic solutions p(t, c₁, c_2, \ldots, c_k) with period T_0 (c_1, c_2, \ldots, c_k) > τ . Under certain constraints he finds the necessary and sufficient conditions for the existence for $|\epsilon| < \epsilon_0$ of a periodic solution of system (1), which as $\epsilon \rightarrow 0$ tends to some periodic solution of the generating system. The method of successive approximations 1: used for the proof of the sufficiency of the obtained conditions.

L.E. El'sgol'ts

Abstracter's note: Complete ranslation

Card 1/1

S/044/63/000/002/019/050 A060/A126

AUTHOR: Khalanay, A.

TITLE: Singular perturbations of systems with lagging argument

PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1963, 44, abstract 2B196. (Rev. math. pures et appl. (RPR), 1962, v. 7, no. 2, 301 - 308)

TEXT: The author considers a system of the form

$$\dot{x}(t) = f[t, x(t), x(t-t), y(t), y(t-t), e],$$

$$\dot{x}(t) = g(t, x(t), y(t), e],$$
(1)

where $\varepsilon > 0$, t > 0, f and g are time periodic functions with period $\omega > t$. It is demonstrated that, if the degenerate system

$$\hat{x}(t) = f[t, x(t), x(t-t), y(t), y(t-t), 0],
g[t, x(t), y(t), 0] = 0$$
(2)

has a periodic solution, then if certain conditions are fulfilled, for sufficiently small 8 the system (1) also has a periodic solution $x(t, \theta)$, $y(t, \epsilon)$

Card 1/2

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Singular perturbations of systems with lagging

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with as $\epsilon \to 0$ tends to the periodic solution of system (2). An analogous result is demonstrated also for almost-periodic solutions of equations (1) and (2) on the assumption of almost-periodicity of the functions f and g with respect to t. Some results are also obtained for the case of existence of a family of periodic solutions for the system (2).

L.E. El'sgol'ts

[Abstracter's note: Complete translation]

Card 2/2

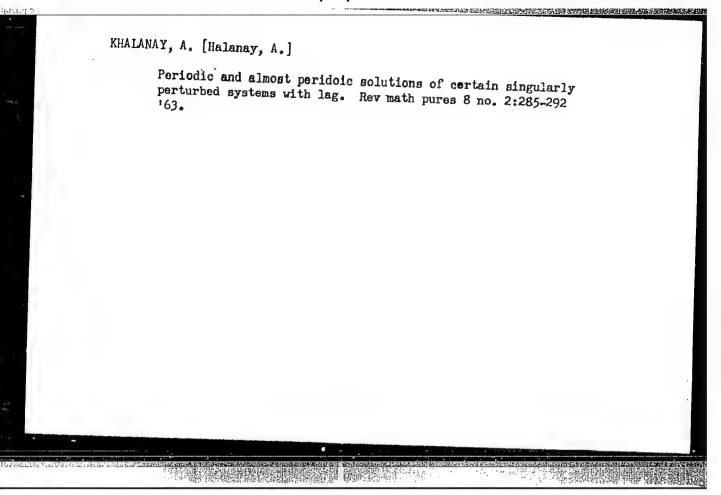
KHALANAY, A. [Halanay, A.]

Singualr disturbances of autonomous lagging systems.

Rev math pures 7 no. 4:627-631 '62.

KHALANAY, A. [Halanay, A.]

"Contributions to the theory of nonlinear oscillations," edited by Lamberto Cesari, J.P.Ia Salia, Solomon Lefshetz. Vol. 5. Reviewed by A. Khalanay. Rev math pures 7 no. 4: 722-724 '62.



KHALANAY, A. [Halanay, A.]

Quasi-periodic solutions of the systems with small parameters in certain critical cases. Rev math pures 8 no.3:397-403 '63.

KHALANAY, A. [Halanay, A.]

Systems of a canonical type with deviating argument and the periodic coefficients. Rev math pures 8 no.4:569.573 163.

"An exposition of adaptive control." Reviewed by A. Khalanay. Ibid.: 702-703 '63.

KHALAMAY, A. [Halanay, A.]

"Discrete and continuous boundary problems" by F.V. Atkinson.

Vol. 8. Reviewed by A. Khalamay. Rev math Roum 10 no.2:211-212

165.

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